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# Getting Started with SAP S/4HANA 1610



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# 1 Solution Information

This guide provides general information you need to use the solution **SAP S/4HANA 1610**.

## Material Numbers

You get access to a system that has been built up using the following media:

Number	Description
51051432	SAP KERNEL 7.49 Linux X86_64
51050947	SAP S/4HANA 1610 Installation
51050838	SAP HANA 1.0 SP11 1.00.112 DSP

## Components

See Appendix for a list of the installed software component versions

## ABAP Application Server Details

Note: <Master Password> is the password you provided when you created your instance in SAP CAL

Name	Value	Description
SID	S4H	System ID of the SAP system
CI Instance Number	00	The instance number of the central instance (CI)
CS Instance Number	01	The instance number of the central services (CS) instance.
Username	DDIC SAP*	These are the standard users which you can use to access the ABAP server.
Password	Appl1ance	You will be prompted for a new password at first logon.
Clients	000	These are the standard clients available in a newly installed SAP system.

## Database Server Details

Name	Value	Description
SID	HDB	System ID of the SAP system
Instance Number	02	Instance number of the central instance of the SAP System
DB SID	HDB	System ID of the database of the SAP system
DB Type	HDB	Type of the database
Username	SYSTEM SAPHANADB DBACOCKPIT	These are the standard users which you can use to access the database server.
Password	<Master Password>	The password provided when you created the instance.

## OS Users and Groups

Name	Description
s4hadm	SAP system administrator
sapadm	SAP database administrator
sapsys	Group containing all <SID>adm users (should be a group in a central user storage like LDAP, NIS, or Active Directory)

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## 2 Licenses

### Free Trial License Agreement

This solution could be used as a trial for the configured free period. Note that you are not allowed to install license keys under the Free Trial License Agreement.

### SAP Product License Agreement

To use the instances created from this solution under your own SAP Product License Agreements, you have to unlock the solution in SAP Cloud Appliance Library. The prerequisites are that you own the required SAP Product licenses and that you purchase the SAP Cloud Appliance Library subscription package. For more information, see [Unlocking Solutions](#).

### License Keys Installation

Once you create the solution instance in SAP Cloud Appliance Library, the SAP system will generate a temporary license key that is sufficient for exploration purpose. Note that valid license is required to use the solution instance after the expiration of the pre-installed temporary license. For this solution you have to request and install the following license keys:

SID	Product	Version	DB	OS	Comment
HDB	SAP HANA, platform edition	1.0	SAP HANA	Linux	Recommended quantity is 256 GB Main Memory
S4H	SAP S/4HANA	on-premise edition 1610	SAP HANA	Linux	

For more information about how to request and install product license keys, see [this SCN blog](#).

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## 3 Security Aspects

Be aware that creating your instances in the public zone of your cloud computing platform is convenient but less secure. Ensure that only port 22 (SSH) is opened when working with Linux-based solutions and port 3389 (RDP) when working with Windows based solutions. In addition, we also recommend that you limit the access to your instances by defining a specific IP range in the Access Points settings, using [CIDR notation](#). The more complex but secure alternative is to set up a virtual private cloud (VPC) with VPN access, which is described in [this tutorial on SCN](#).

The list below describes the ports opened for the security group formed by the server components of your solution instance:

To access back-end servers on the operating system (OS) level, use the following information:

Protocol	Port	Description
SSH	22	Used for SSH connection to Linux-based servers
RDP	3389	Used for RDP connection to Windows based servers

You must change the initial user passwords provided by SAP when you log onto the system for the first time.

Note that when using **HANA based appliances**, HANA systems are not installed individually but **cloned from a template system**. As a consequence of this cloning process, the existing root keys are cloned. For more information, see this [SAP Note 2134846 - HANA encryption key handling during system cloning](#).

For more information about security vulnerabilities, see this [community page](#).

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## 4 Solution Provisioning in SAP Cloud Appliance Library

If you have a user in SAP Cloud Appliance Library, you need to meet the following prerequisites before starting to use the SAP Cloud Appliance library:


### - Cloud Provider Configurations

You have a valid account in one of the cloud providers supported by SAP Cloud Appliance Library. If you already have an active cloud provider account, you can proceed directly with the next section. Otherwise, navigate to the cloud provider home page and sign up.

For more information about the supported cloud providers, see the [FAQ page](#).

### - Navigate to SAP Cloud Appliance Library

Open the SAP Cloud Appliance Library in your Web browser using the following link: <https://cal.sap.com>

For more information about how to use solutions in SAP Cloud Appliance Library, see the official documentation of SAP Cloud Appliance Library (choose [Support](#) → [Documentation](#) link and choose  (expand all) button to see all documents in the structure). You can also use the context help in SAP Cloud Appliance Library by choosing the [Help](#) panel from the right side.

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## 5 Appendix

### 5.1 Software Component Versions

Component	Release	SP-Level
SAP_BASIS	751	0
SAP_ABA	75B	0
SAP_GWFND	751	0
SAP_UI	751	0
ST-PI	740	4
SAP_BW	751	0
MDG_FND	801	0
WEBCUIF	801	0
MDG_APPL	801	0
MDG_UX	801	0
S4CORE	101	0
SAP_HR	608	30
SAP_HRCAE	608	30
SAP_HRCAR	608	30
SAP_HRCAT	608	30
SAP_HRCAU	608	30
SAP_HRCBE	608	30
SAP_HRCBG	608	30
SAP_HRCBR	608	30
SAP_HRCCA	608	30
SAP_HRCCH	608	30
SAP_HRCCL	608	30
SAP_HRCCN	608	30
SAP_HRCCO	608	30
SAP_HRCCZ	608	30
SAP_HRCDE	608	30
SAP_HRCDK	608	30
SAP_HRCEG	608	30
SAP_HRCES	608	30
SAP_HRCFI	608	30
SAP_HRCFR	608	30
SAP_HRCGB	608	30



Component	Release	SP-Level
SAP_HRCGR	608	30
SAP_HRCHK	608	30
SAP_HRCHR	608	30
SAP_HRCHU	608	30
SAP_HRCID	608	30
SAP_HRCIE	608	30
SAP_HRCIN	608	30
SAP_HRCIT	608	30
SAP_HRCJP	608	30
SAP_HRCKR	608	30
SAP_HRCKW	608	30
SAP_HRCKZ	608	30
SAP_HRCMX	608	30
SAP_HRCMY	608	30
SAP_HRCNL	608	30
SAP_HRCNO	608	30
SAP_HRCNZ	608	30
SAP_HRCOM	608	30
SAP_HRCPH	608	30
SAP_HRCPL	608	30
SAP_HRCPT	608	30
SAP_HRCQA	608	30
SAP_HRCRO	608	30
SAP_HRCRU	608	30
SAP_HRCSA	608	30
SAP_HRCSE	608	30
SAP_HRCSG	608	30
SAP_HRCSI	608	30
SAP_HRCSK	608	30
SAP_HRCTH	608	30
SAP_HRCTR	608	30
SAP_HRCTW	608	30
SAP_HRCUA	608	30
SAP_HRCUN	608	30
SAP_HRCUS	608	30
SAP_HRCVE	608	30
SAP_HRCZA	608	30
SAP_HRGXX	608	30
SAP_HRRXX	608	30

Component	Release	SP-Level
EA-DFPS	801	0
EA-HR	608	30
EA-HRCAE	608	30
EA-HRCAR	608	30
EA-HRCAT	608	30
EA-HRCAU	608	30
EA-HRCBE	608	30
EA-HRCBG	608	30
EA-HRCBR	608	30
EA-HRCCA	608	30
EA-HRCCH	608	30
EA-HRCCL	608	30
EA-HRCCN	608	30
EA-HRCCO	608	30
EA-HRCCZ	608	30
EA-HRCDE	608	30
EA-HRCDK	608	30
EA-HRCEG	608	30
EA-HRCES	608	30
EA-HRCFI	608	30
EA-HRCFR	608	30
EA-HRCGB	608	30
EA-HRCGR	608	30
EA-HRCHK	608	30
EA-HRCHR	608	30
EA-HRCHU	608	30
EA-HRCID	608	30
EA-HRCIE	608	30
EA-HRCIN	608	30
EA-HRCIT	608	30
EA-HRCJP	608	30
EA-HRCKR	608	30
EA-HRCKW	608	30
EA-HRCKZ	608	30
EA-HRCMX	608	30
EA-HRCMY	608	30
EA-HRCNL	608	30
EA-HRCNO	608	30
EA-HRCNZ	608	30

Component	Release	SP-Level
EA-HRCOM	608	30
EA-HRCPH	608	30
EA-HRCPL	608	30
EA-HRCPT	608	30
EA-HRCQA	608	30
EA-HRCRO	608	30
EA-HRCRU	608	30
EA-HRCSA	608	30
EA-HRCSE	608	30
EA-HRCSG	608	30
EA-HRCSI	608	30
EA-HRCSK	608	30
EA-HRCTH	608	30
EA-HRCTR	608	30
EA-HRCTW	608	30
EA-HRCUA	608	30
EA-HRCUN	608	30
EA-HRCUS	608	30
EA-HRCVE	608	30
EA-HRCZA	608	30
EA-HRGXX	608	30
EA-HRRXX	608	30
EA-PS	801	0
ECC-SE	801	0
ERECRUIT	801	0
FI-CA	801	0
FI-CAX	801	0
INSURANCE	801	0
IS-H	801	0
IS-M	801	0
IS-OIL	801	0
IS-PRA	801	0
IS-PS-CA	801	0
IS-UT	801	0
LSOFE	801	0
GBX01HR	600	5
GBX01HR5	605	3
SRA004	600	9
BSNAGT	200	2

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Component	Release	SP-Level
ST-A/PI	01S_731	1





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